FIG. 1

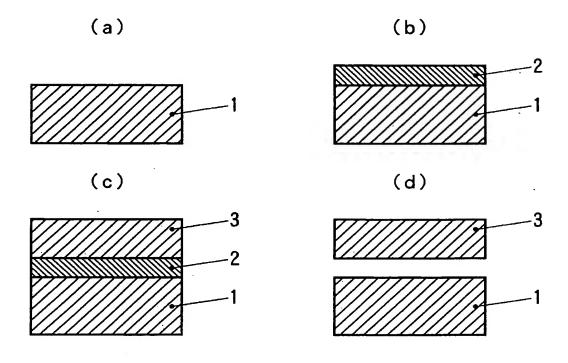


FIG. 2

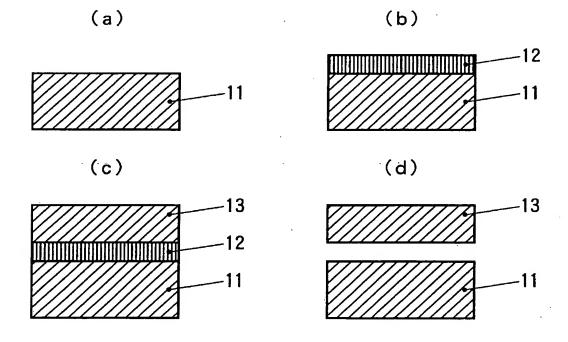
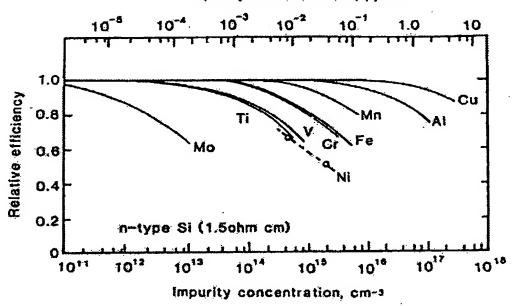


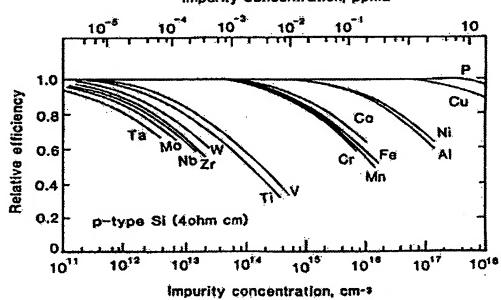
FIG. 3





(a)

impurity concentration, ppma



(b)

FIG. 4

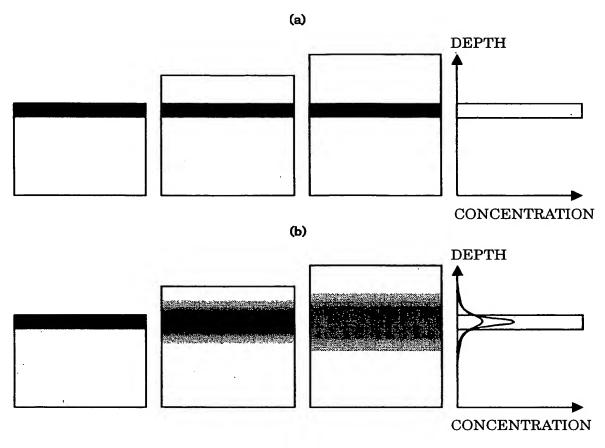


FIG. 5

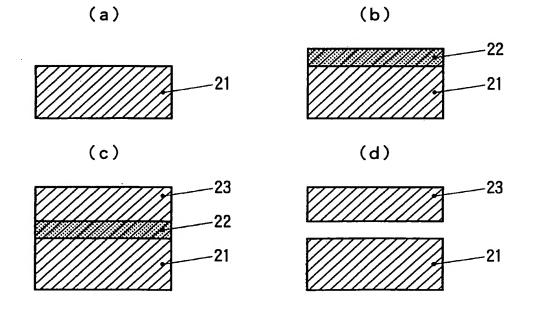


FIG. 6

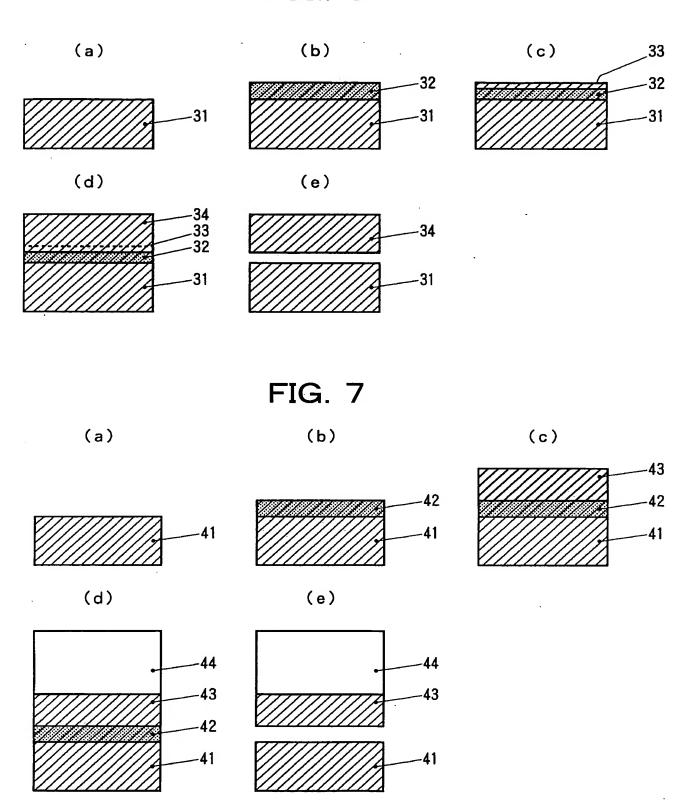
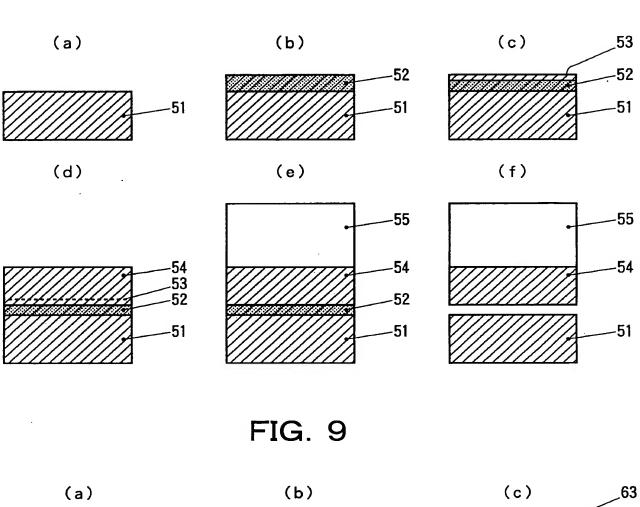


FIG. 8



(a) (b) (c) 63 62 61 63 63 63 63 62 61 61 61

FIG. 10

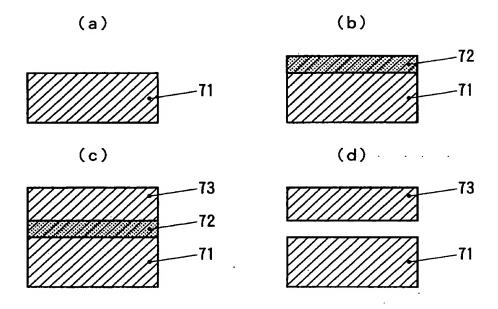


FIG. 11

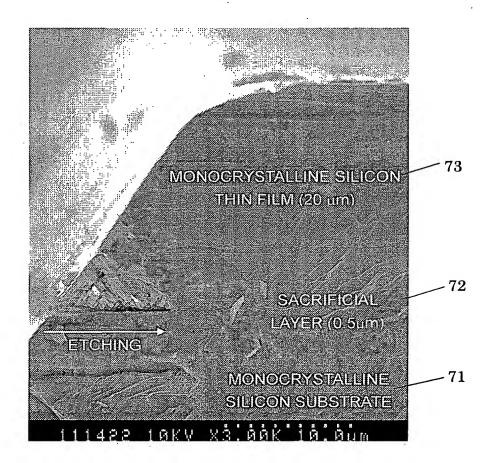


FIG. 12

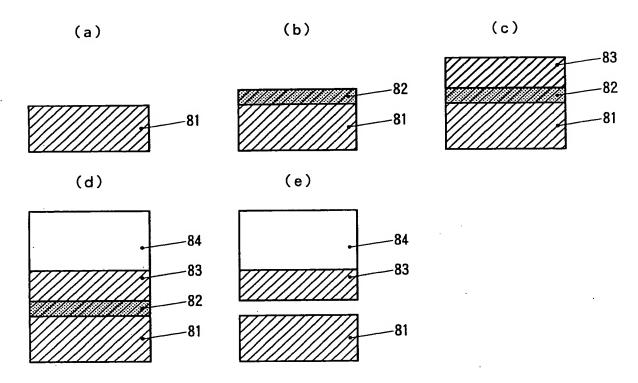


FIG. 13

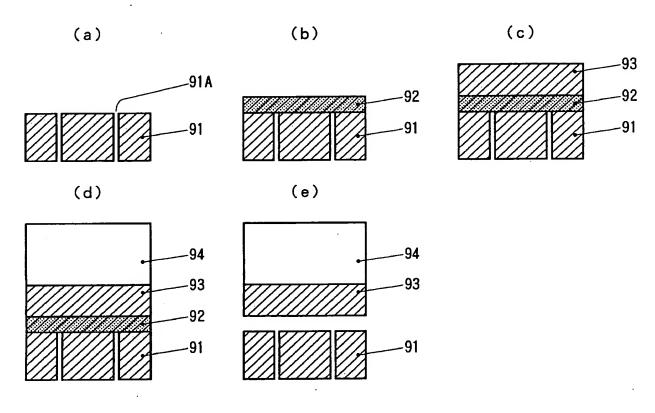


FIG. 14

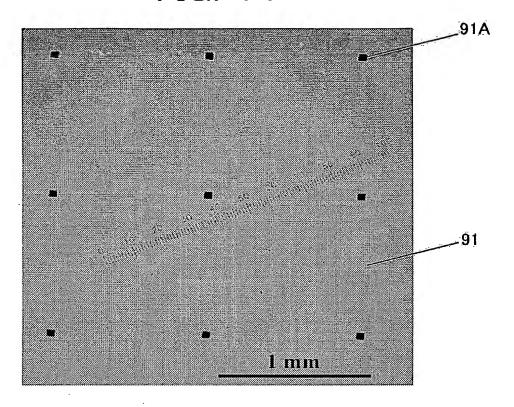


FIG. 15

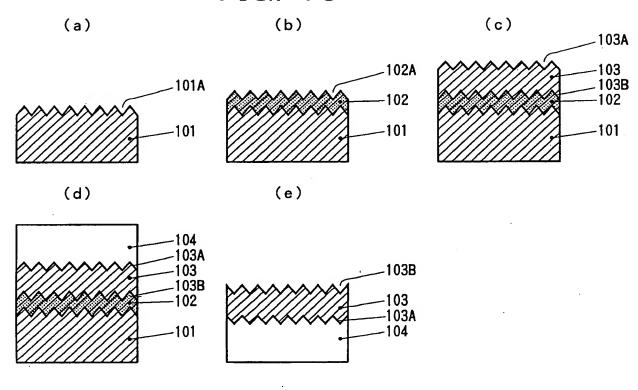


FIG. 16

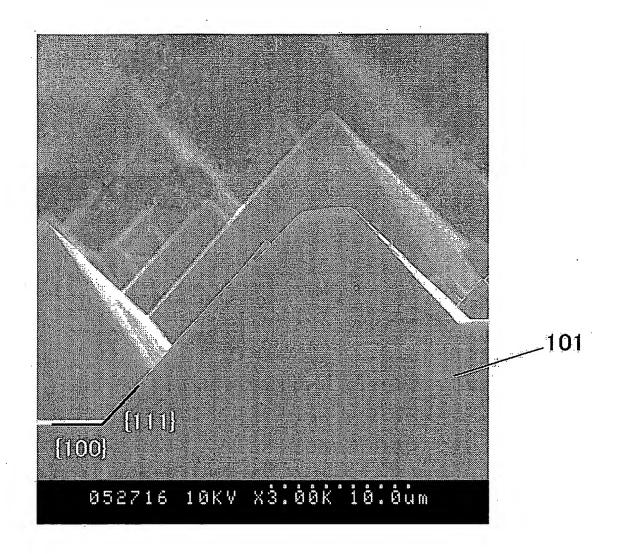


FIG. 17

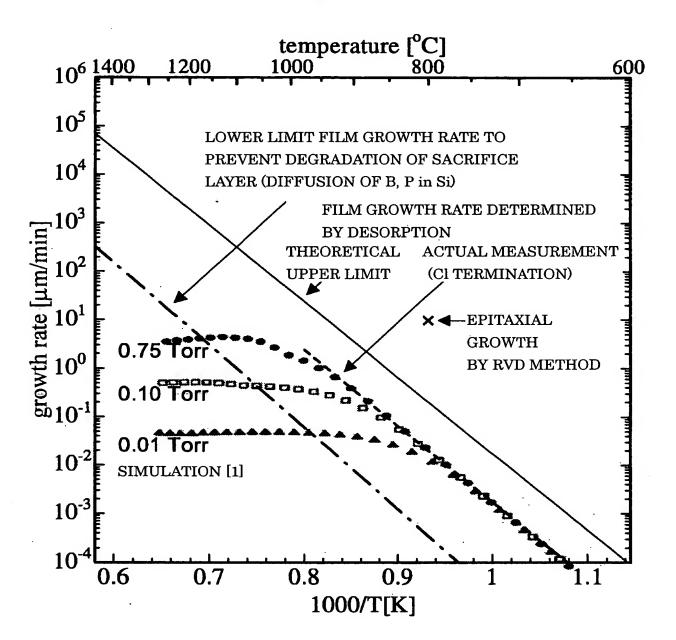


FIG. 18

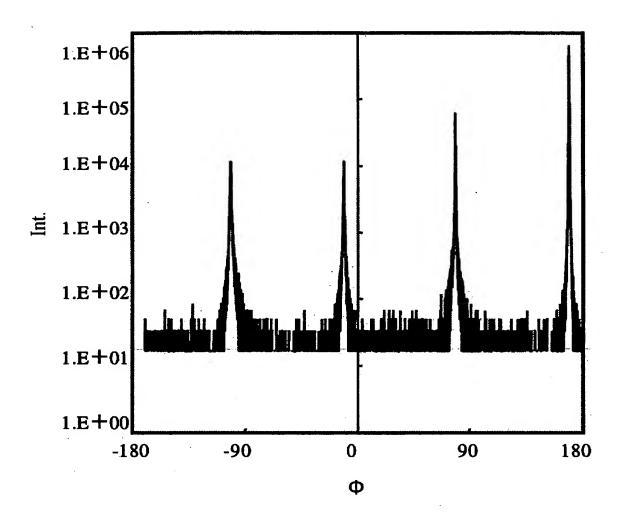


FIG. 19

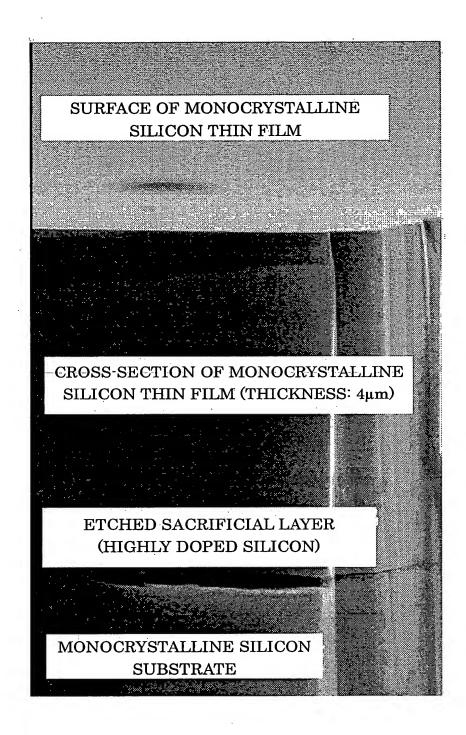
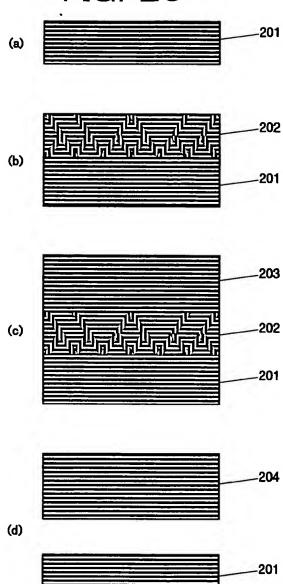


FIG. 20



GAS DISCHARGE

C B E C C C E C

H₂ carrier CHAMBER

P growth

P growth

P growth

FIG. 21

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FIG. 22

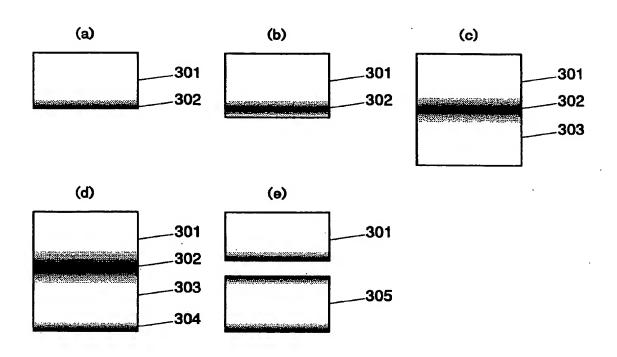


FIG. 23

